

89/90/1158

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	14589	713/151 03/152 OR 713/200 OR 713/201 OR 709/229 OR 455/433 OR 455/435.1 OR 714/786	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/05/06 14:44
L2	4	"PHYSICAL LAYER" AND TRANSMIS\$4 AND "STANDARD MODE" AND DRIVER\$3 AND SECURITY AND MODEM	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/05/06 14:48
L3	5	"PHYSICAL LAYER" AND TRANSMIS\$4 AND "STANDARD MODE" AND DRIVER\$3 AND SECURITY	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/05/06 14:46
L4	27	"PHYSICAL LAYER" AND TRANSMIS\$4 AND "STANDARD MODE" AND DRIVER\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/05/06 14:46
L5	55	"PHYSICAL LAYER" AND TRANSMIS\$4 AND "STANDARD MODE"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/05/06 14:46
L6	55	5 OR 4 OR 3 OR 2	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/05/06 14:47
L7	3	6 AND 1	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/05/06 15:10
L8	2360	"SMITH DAVID".INV.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/05/06 14:48

L9	15	8 AND "CEDAR PARK"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/05/06 14:48
L10	530	455/31.1 OR 455/38.5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/05/06 15:11
L11	0	10 AND 2	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/05/06 15:11
L12	0	10 AND 4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/05/06 15:11
L13	19	10 AND 1	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/05/06 15:11

## Zand, Kambiz

---

**From:** PLUS  
**Sent:** Friday, May 06, 2005 10:52 AM  
**To:** Zand, Kambiz  
**Subject:** PLUS Results for 09901158

Here are the PLUS search results for 09901158.

This search was prepared by the staff of the Scientific and Technical Information Center, SIRA. If you have questions or comments about this search, please reply via email to PLUS@uspto.gov.



09901158\_Q  
UAL.txt



09901158\_LI  
ST.txt



09901158\_W  
EST.txt



09901158\_E  
AST.txt



09901158.ea  
st



09901158\_C  
LS.txt



09901158\_C09901158\_W  
LSTITLES.txt DS.txt




[Subscribe \(Full Service\)](#) [Register \(Limited Service, Free\)](#) [Login](#)

 Search: ☒ The ACM Digital Library ☐ The Guide

"PHYSICAL LAYER" AND MODEM AND "STANDARD MODEM"


[Feedback](#) [Report a problem](#) [Satisfaction survey](#)

 Terms used **PHYSICAL LAYER AND MODEM AND STANDARD MODEM**

Found 142 of 154,226

Sort results by

relevance

Display results

condensed form

☒ [Save results to a Binder](#)
☒ [Search Tips](#)
☐ [Open results in a new window](#)

 Try an [Advanced Search](#)  
 Try this search in [The ACM Guide](#)

Results 1 - 20 of 142

 Result page: [1](#) [2](#) [3](#) [4](#) [5](#) [6](#) [7](#) [8](#) [next](#)

 Relevance scale ☐ ☐ ☐ ☐ ☐

- 1 [Modeling physical layer protocols using communicating finite state machines](#)  
 Mohamed G. Gouda, Khe-Sing The  
 September 1985 **ACM SIGCOMM Computer Communication Review , Proceedings of the ninth symposium on Data communications**, Volume 15 Issue 4

 Full text available: [pdf\(779.61 KB\)](#)

 Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)


- 2 [Link layer retransmission schemes for circuit-mode data over the CDMA physical channel](#)

 Mooi Choo Chuah, Bharat Doshi, Subra Dravida, Richard Ejzak, Sanjiv Nanda  
 October 1997 **Mobile Networks and Applications**, Volume 2 Issue 2

 Full text available: [pdf\(460.82 KB\)](#)

 Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)


- 3 [Predictability requirements of a soft modem](#)  
 Michael B. Jones, Stefan Saroiu  
 June 2001 **ACM SIGMETRICS Performance Evaluation Review , Proceedings of the 2001 ACM SIGMETRICS international conference on Measurement and modeling of computer systems**, Volume 29 Issue 1

 Full text available: [pdf\(1.53 MB\)](#)

 Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#)


- 4 [The ATM physical layer](#)  
 Sailes K. Rao, Mehdi Hatamian  
 April 1995 **ACM SIGCOMM Computer Communication Review**, Volume 25 Issue 2

 Full text available: [pdf\(712.00 KB\)](#)

 Additional Information: [full citation](#), [abstract](#), [index terms](#)


- 5 [Product Review: Ricochet Modem](#)  
 Randy Bentson  
 January 1998 **Linux Journal**

 Full text available: [html\(10.18 KB\)](#)



















 Additional Information: [full citation](#), [index terms](#)


- 6 [On site: the need for speed](#)  
 Scott Tilley  
 July 1999 **Communications of the ACM**, Volume 42 Issue 7

 Full text available: [pdf\(120.66 KB\)](#) [html](#)

 Additional Information: [full citation](#), [index terms](#)



(17.24 KB)

- 7 Measured performance of data transmission over cellular telephone networks  
Timo Alanko, Markku Kojo, Heimo Laamanen, Mika Liljeberg, Marko Moilanen, Kimmo Raatikainen  
October 1994 **ACM SIGCOMM Computer Communication Review**, Volume 24 Issue 5  
Full text available:  pdf(1.16 MB) Additional Information: [full citation](#), [abstract](#), [citations](#), [index terms](#) 
- 8 Network Protocols  
Andrew S. Tanenbaum  
December 1981 **ACM Computing Surveys (CSUR)**, Volume 13 Issue 4  
Full text available:  pdf(3.37 MB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#) 
- 9 Large-scale experimental study of Internet performance using video traffic  
Dmitri Loguinov, Hayder Radha  
January 2002 **ACM SIGCOMM Computer Communication Review**, Volume 32 Issue 1  
Full text available:  pdf(1.23 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#) 
- 10 Mobile connectivity protocols and throughput measurements in the Ricochet Microcellular data network (MCDN) system  
Mike Ritter, Robert J. Friday, Rodrigo Garces, Weill San Filippo, Cuong-Thinh Nguyen  
July 2001 **Proceedings of the 7th annual international conference on Mobile computing and networking**  
Full text available:  pdf(178.43 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#) 
- 11 Wireless data: systems, standards, service  
Antonio De Simone, Sanjiv Nanda  
March 1995 **Wireless Networks**, Volume 1 Issue 3  
Full text available:  pdf(1.14 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#) 
- 12 Video: Measurement study of low-bitrate internet video streaming  
Dmitri Loguinov, Hayder Radha  
November 2001 **Proceedings of the 1st ACM SIGCOMM Workshop on Internet Measurement**  
Full text available:  pdf(3.00 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#) 
- 13 Take command: Configuring pppd in Linux, part II  
Tony Mobily  
March 2002 **Linux Journal**, Volume 2002 Issue 95  
Full text available:  html(22.45 KB) Additional Information: [full citation](#), [index terms](#) 
- 14 Information leakage from optical emanations  
Joe Loughry, David A. Umphress  
August 2002 **ACM Transactions on Information and System Security (TISSEC)**, Volume 5 Issue 3  
Full text available:  pdf(382.77 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#) 
- 15 "Last-mile" bandwidth recap and committee survey activity  
Bob Ellis, Myles Losch, David Nelson, Laurie Reinhart  
May 1999 **ACM SIGGRAPH Computer Graphics**, Volume 33 Issue 2  
Full text available:  pdf(809.27 KB) Additional Information: [full citation](#), [abstract](#), [index terms](#) 

The Linux Home Network

Preston F. Crow

April 2000 **Linux Journal**


Full text available:  [html\(14.27 KB\)](#) Additional Information: [full citation](#), [abstract](#), [index terms](#)



17 A rate-adaptive MAC protocol for multi-Hop wireless networks

Gavin Holland, Nitin Vaidya, Paramvir Bahl

July 2001 **Proceedings of the 7th annual international conference on Mobile computing and networking**

Full text available:  [pdf\(467.95 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)



18 Linux Means Business: Remote Data Gathering with Linux

Grant Edwards

March 1995 **Linux Journal**

Full text available:  [html\(11.27 KB\)](#) Additional Information: [full citation](#), [index terms](#)



19 Best Of Tech Support

May 1997 **Linux Journal**

Full text available:  [html\(8.16 KB\)](#) Additional Information: [full citation](#), [index terms](#)



20 Data communications buzzwords

P. D. Moulton

May 1988 **Proceedings of the ACM SIGCPR conference on Management of information systems personnel**

Full text available:  [pdf\(1.00 MB\)](#) Additional Information: [full citation](#), [abstract](#), [index terms](#)



Results 1 - 20 of 142

Result page: [1](#) [2](#) [3](#) [4](#) [5](#) [6](#) [7](#) [8](#) [next](#)

The ACM Portal is published by the Association for Computing Machinery. Copyright © 2005 ACM, Inc.

[Terms of Usage](#) [Privacy Policy](#) [Code of Ethics](#) [Contact Us](#)

Useful downloads:  [Adobe Acrobat](#)  [QuickTime](#)  [Windows Media Player](#)  [Real Player](#)


[Home](#) | [Login](#) | [Logout](#) | [Access Information](#) | [Alerts](#) |

Welcome United States Patent and Trademark Office

**Search Results**[BROWSE](#)[SEARCH](#)[IEEE XPLORE GUIDE](#)Results for "('physical layer' <in>metadata ) <and> ( modem<in>metadata )" [e-mail](#)Your search matched **41** of **1154623** documents.A maximum of **100** results are displayed, **25** to a page, sorted by **Relevance** in **Descending** order.[» View Session History](#)[» New Search](#)[» Key](#)

IEEE JNL IEEE Journal or Magazine

IEEE JNL IEE Journal or Magazine

IEEE CNF IEEE Conference Proceeding

IEEE CNF IEE Conference Proceeding

IEEE STD IEEE Standard

Modify Search

('physical layer' &lt;in&gt;metadata ) &lt;and&gt; ( modem&lt;in&gt;metadata )

☐ Check to search only within this results setDisplay Format: ☒ Citation ☐ Citation & Abstract

Select Article Information

- ☐ **1. An initialisation protocol for a CDMA based communications scheme for HFC CA**  
Wolters, R.P.C.; Khoe, G.D.; Otterbach, J.;  
Broadcasting, IEEE Transactions on  
Volume 43, Issue 3, Sept. 1997 Page(s):329 - 338  
[AbstractPlus](#) | Full Text: [PDF](#)(812 KB) IEEE JNL
- ☐ **2. Fieldbus interface control IC**  
Yoshida, Y.; Mizoe, K.; Matsuda, A.; Kuroiwa, S.;  
Instrumentation and Measurement Technology Conference, 1994. IMTC/94. Conferenc  
10th Anniversary. Advanced Technologies in I & M., 1994 IEEE  
10-12 May 1994 Page(s):428 - 431 vol.1  
[AbstractPlus](#) | Full Text: [PDF](#)(200 KB) IEEE CNF
- ☐ **3. Enhancing the DOCSIS cable modem specifications with an advanced physical l:  
upstream transmission**  
Grimwood, M.; Richardson, P.; Prodan, R.S.;  
Consumer Electronics, 2000. ICCE. 2000 Digest of Technical Papers. International Co  
13-15 June 2000 Page(s):78 - 79  
[AbstractPlus](#) | Full Text: [PDF](#)(164 KB) IEEE CNF
- ☐ **4. OSU-MAC: a new, real-time medium access control protocol for wireless WANs v  
wireless links**  
Chunlei Liu; Ye Ge; Fitz, M.; Hou, J.; Wei-Peng Chen; Jain, R.;  
Distributed Computing Systems, 2001. 21st International Conference on.  
16-19 April 2001 Page(s):537 - 546  
[AbstractPlus](#) | Full Text: [PDF](#)(884 KB) IEEE CNF
- ☐ **5. VLSI suitable synchronization algorithms and architecture for IEEE 802.11a Phys**  
Schwoerer, L.;  
Circuits and Systems, 2002. ISCAS 2002. IEEE International Symposium on  
Volume 5, 26-29 May 2002 Page(s):V-721 - V-724 vol.5  
[AbstractPlus](#) | Full Text: [PDF](#)(393 KB) IEEE CNF
- ☐ **6. Measurements of a wireless link in an industrial environment using an IEEE 802.  
physical layer**  
Willig, A.; Kubisch, M.; Hoene, C.; Wolisz, A.;  
Industrial Electronics, IEEE Transactions on

Volume 49, Issue 6, Dec. 2002 Page(s):1265 - 1282

[AbstractPlus](#) | [References](#) | Full Text: [PDF\(813 KB\)](#) IEEE JNL

- ☐ **7. Space-time processing for broadband wireless access**  
Al-Dhahir, N.; Fragouli, C.; Stamoulis, A.; Younis, W.; Calderbank, R.;  
Communications Magazine, IEEE  
Volume 40, Issue 9, Sep 2002 Page(s):136 - 142  
[AbstractPlus](#) | [References](#) | Full Text: [PDF\(1278 KB\)](#) IEEE JNL
- ☐ **8. A control network architecture based on EIA-709.1 protocol for power line data c**  
Woo-Seop Kim; Lok-Won Kim; Chang-Eun Lee; Kyeong-Deok Moon; Suki Kim;  
Consumer Electronics, IEEE Transactions on  
Volume 48, Issue 3, Aug. 2002 Page(s):650 - 655  
[AbstractPlus](#) | Full Text: [PDF\(939 KB\)](#) IEEE JNL
- ☐ **9. Broadband wireless access solutions based on OFDM access in IEEE 802.16**  
Koffman, I.; Roman, V.;  
Communications Magazine, IEEE  
Volume 40, Issue 4, April 2002 Page(s):96 - 103  
[AbstractPlus](#) | Full Text: [PDF\(585 KB\)](#) IEEE JNL
- ☐ **10. On the single-chip implementation of a Hiperlan/2 and IEEE 802.11a capable mod**  
Grass, E.; Tittelbach-Helmrich, K.; Jagdhold, U.; Troya, A.; Lippert, G.; Kruger, O.; Leh  
Maharatna, K.; Dombrowski, K.F.; Fiebig, N.; Kraemer, R.; Mahonen, P.;  
Personal Communications, IEEE [see also IEEE Wireless Communications]  
Volume 8, Issue 6, Dec. 2001 Page(s):48 - 57  
[AbstractPlus](#) | [References](#) | Full Text: [PDF\(1214 KB\)](#) IEEE JNL
- ☐ **11. A CDMA based bidirectional communication system for hybrid fiber-coax CATV**  
De Jong, Y.L.C.; Wolters, R.P.C.; Van den Boom, H.P.A.;  
Broadcasting, IEEE Transactions on  
Volume 43, Issue 2, June 1997 Page(s):127 - 135  
[AbstractPlus](#) | Full Text: [PDF\(804 KB\)](#) IEEE JNL
- ☐ **12. Control and data flow aspects in the design of a wireless data radio modem: a ca**  
Post, G.; Mauss, O.;  
Acoustics, Speech, and Signal Processing, 1996. ICASSP-96. Conference Proceeding  
International Conference on  
Volume 6, 7-10 May 1996 Page(s):3201 - 3204 vol. 6  
[AbstractPlus](#) | Full Text: [PDF\(408 KB\)](#) IEEE CNF
- ☐ **13. Design of an efficient high-speed VLSI architecture for WLAN modem**  
Surim Ryu; Se Young Eun; Sunwoo, M.H.;  
Circuits and Systems, 1997. Proceedings of the 40th Midwest Symposium on  
Volume 2, 3-6 Aug. 1997 Page(s):1382 - 1385 vol.2  
[AbstractPlus](#) | Full Text: [PDF\(328 KB\)](#) IEEE CNF
- ☐ **14. Implementation of a DSSS modem ASIC chip for wireless LAN**  
Chang, H.M.; Sunwoo, M.H.;  
Signal Processing Systems, 1998. SIPS 98. 1998 IEEE Workshop on  
8-10 Oct. 1998 Page(s):243 - 252  
[AbstractPlus](#) | Full Text: [PDF\(563 KB\)](#) IEEE CNF
- ☐ **15. 5.8 GHz DSRC packet communication system for ITS services**  
Hyunseo Oh; Chungil Yae; Donghyon Ahn; Hanberg Cho;  
Vehicular Technology Conference, 1999. VTC 1999 - Fall. IEEE VTS 50th  
Volume 4, 19-22 Sept. 1999 Page(s):2223 - 2227 vol.4



[AbstractPlus](#) | Full Text: [PDF\(316 KB\)](#) IEEE CNF

- ☐ **16. Advanced upstream CATV access technologies and standards**  
Ovadia, S.;  
Nanostructures and Quantum Dots/WDM Components/VCSELs and Microcavities/RF CATV and HFC Systems, 1999 Digest of the LEOS Summer Topical Meetings  
26-30 July 1999 Page(s):IV35 - IV36  
[AbstractPlus](#) | Full Text: [PDF\(180 KB\)](#) IEEE CNF
- ☐ **17. A pre-FFT equalizer design for application to Hiperlan/2**  
Armour, S.; Nix, A.; Bull, D.;  
Vehicular Technology Conference, 2000. IEEE VTS-Fall VTC 2000. 52nd  
Volume 4, 24-28 Sept. 2000 Page(s):1690 - 1697 vol.4  
[AbstractPlus](#) | Full Text: [PDF\(564 KB\)](#) IEEE CNF
- ☐ **18. Advanced modulation schemes for cable TV upstream channel**  
Shalvi, O.; Geri, N.;  
Consumer Electronics, 2000. ICCE. 2000 Digest of Technical Papers. International Conference on  
13-15 June 2000 Page(s):80 - 81  
[AbstractPlus](#) | Full Text: [PDF\(200 KB\)](#) IEEE CNF
- ☐ **19. Performance limits of a hybrid fiber/millimeter-wave wireless system**  
Funk, E.E.; Herczfeld, P.R.; Jemison, W.D.; Bystrom, M.;  
Microwave and Optoelectronics Conference, 2001. IMOC 2001. Proceedings of the 2001  
MTT-S International  
Volume 1, 6-10 Aug. 2001 Page(s):365 - 368 vol.1  
[AbstractPlus](#) | Full Text: [PDF\(365 KB\)](#) IEEE CNF
- ☐ **20. A single chip PHY COFDM modem for IEEE 802.11a with integrated ADCs and DACs**  
Ryan, P.; Arivoli, T.; De Souza, L.; Foyster, G.; Keaney, R.; McDermott, T.; Moini, A.; A  
Parker, L.; Smith, G.; Weste, N.; Zyner, G.;  
Solid-State Circuits Conference, 2001. Digest of Technical Papers. ISSCC. 2001 IEEE  
5-7 Feb. 2001 Page(s):338 - 339, 463  
[AbstractPlus](#) | Full Text: [PDF\(280 KB\)](#) IEEE CNF
- ☐ **21. Design of a communication protocol for underwater acoustic modems and networks**  
Lapierre, G.; Chevallier, L.; Gallaud, F.; Ayela, G.;  
OCEANS, 2001. MTS/IEEE Conference and Exhibition  
Volume 4, 5-8 Nov. 2001 Page(s):2220 - 2226 vol.4  
[AbstractPlus](#) | Full Text: [PDF\(772 KB\)](#) IEEE CNF
- ☐ **22. GLOBECOM'01. IEEE Global Telecommunications Conference (Cat. No.01CH372)**  
Global Telecommunications Conference, 2001. GLOBECOM '01. IEEE  
Volume 1, 25-29 Nov. 2001  
[AbstractPlus](#) | Full Text: [PDF\(5712 KB\)](#) IEEE CNF
- ☐ **23. The MSM5100™ cdma2000 + AMPS + gpsOne™ + Bluetooth multimode ASIC for mobile communications**  
Butler, B.K.; King-Chung Lai; Saints, K.; Meagher, B.;  
Radio Frequency Integrated Circuits (RFIC) Symposium, 2002 IEEE  
2-4 June 2002 Page(s):186\_A - 186\_F  
[AbstractPlus](#) | Full Text: [PDF\(489 KB\)](#) IEEE CNF
- ☐ **24. DOCSIS/spl trade/ 2.0 - the next revolution in cable modem technology**  
Kar, M.; White, G.;  
Consumer Electronics, 2002. ICCE. 2002 Digest of Technical Papers. International Conference on  
18-20 June 2002 Page(s):152 - 153  
[AbstractPlus](#) | Full Text: [PDF\(282 KB\)](#) IEEE CNF

**25. IEEE 802.11a, 802.11e and HiperLAN/2 goodput performance comparison in real**

Rollet, R.; Mangin, C.;

Global Telecommunications Conference, 2003. GLOBECOM '03. IEEE

Volume 2, 1-5 Dec. 2003 Page(s):724 - 728 Vol.2

[AbstractPlus](#) | Full Text: [PDF](#)(363 KB) IEEE CNF

indexed by  
 Inspec<sup>®</sup>

[Help](#) [Contact Us](#) [Privacy & :](#)

© Copyright 2005 IEEE -